



# Safety

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Preserve Resources ■ Save Lives ■ Improve Readiness

RADM Dick Brooks, USN  
Commander, Naval Safety Center

Click It or Ticket Mobilization  
11 May 2004



# WHERE ARE WE?



Safety is  
A Readiness  
Issue!

*During FY99-04, mishaps  
cost the Navy and  
Marines \$4.5 BILLION  
and 1,155 LIVES!  
596 Sailors died in FY99-04*

**551 Marines died in FY99-04**

**Indirect costs?**

*Families  
Property  
伤亡  
Futures*

- To this date in FY02, 58 Sailors / 63 Marines died.  
• \$408M in mishap costs.
- To this date in FY03, 53 Sailors / 70 Marines died.  
• \$622M in mishap costs.
- To date in FY04, 57 Sailors / 46 Marines have died.  
• \$664M in mishap costs.



# COST AND DEATHS

**USN/USMC, FY99-04**

\$3.78  
B

AVIATION MISHAP COST

AFLOAT	\$386M
PMV	140M
SHORE/OPS	93M
RECREATION	61M

**Total Cost:  
\$4.5B**

639 PMV  
Deaths

TRAFFIC DEATHS

SHORE/OPS	194
RECREATION	161
AVIATION	143
AFLOAT	21

**Total Deaths:  
1,145**



# TOO MANY DEATHS

1,101 Sailors and Marines died in FY99-04



We lose a Sailor, Marine, Civilian  
every 43 Hours or 4 per week!

***People - Our Most Precious Asset***

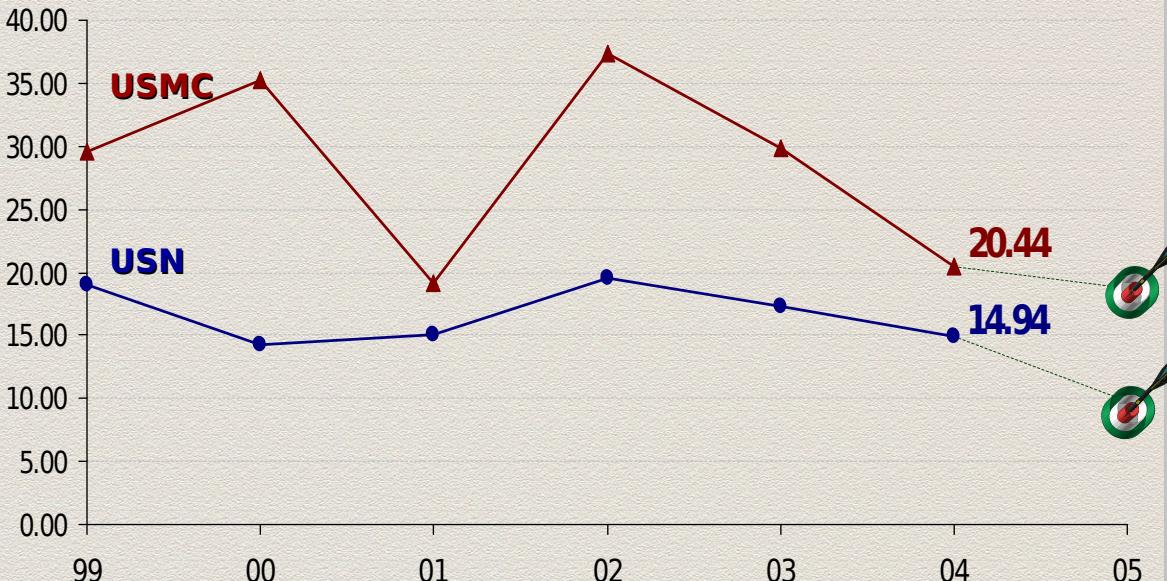


# PMV FATALITY RATES

50% REDUCTION BASELINE

## USN/USMC FY99-04

Fatality Rates per 100,000 personnel per year



USN/USMC	FY02	FY03	FY04
Total PMV Fatalities	140	119	54
SAILORS	75	66	33
MARINES	65	53	21
TOTAL AVIATION	30	14	9
TOTAL AFLOAT	32	31	11
TOTAL SHORE	78	74	34

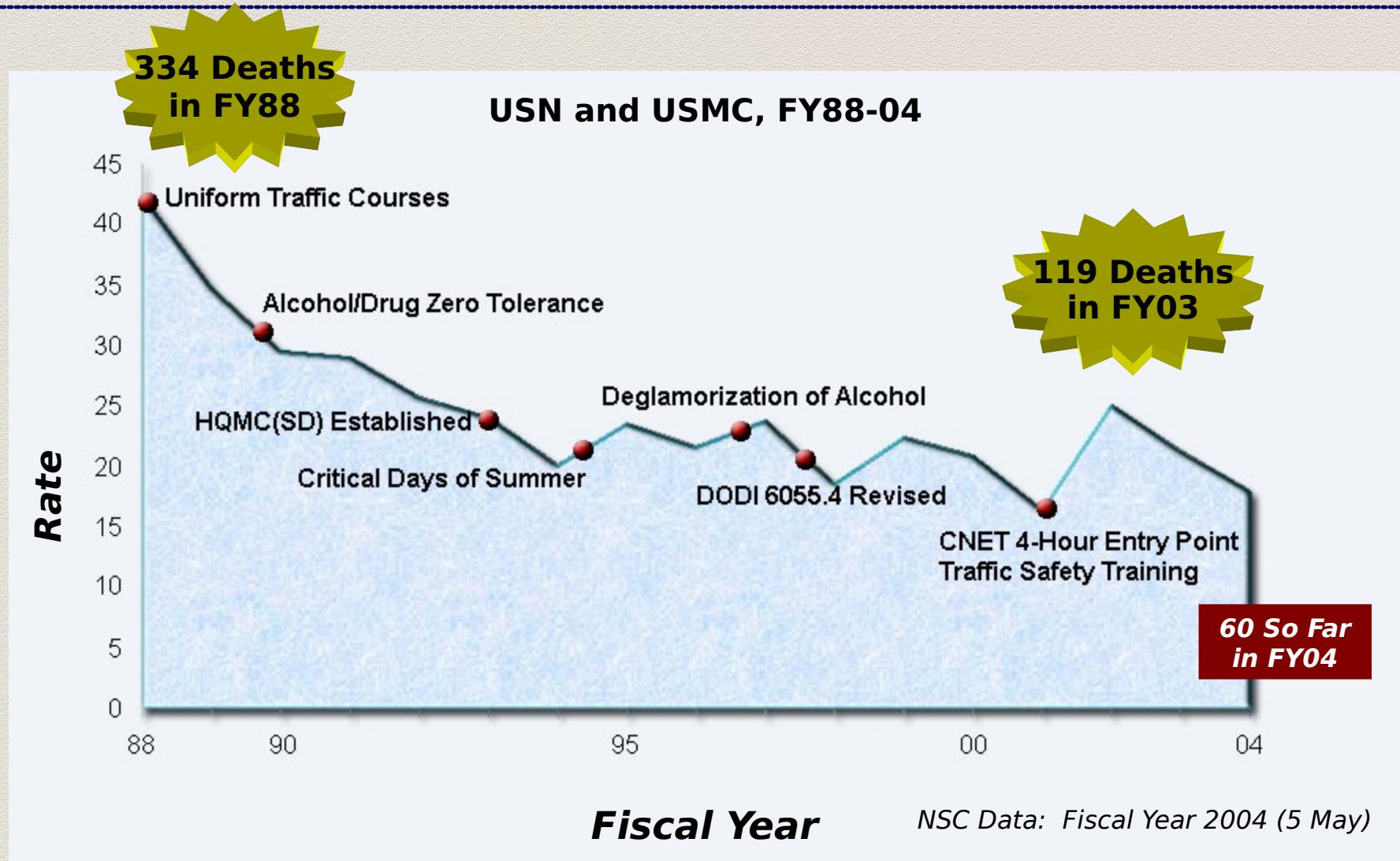
USMC FY05 Goal:  
18.70

USN FY05 Goal: 9.74

NSC FY04 Data: 28 Apr  
04



# PMV FATALITY TREND





# How Did Our Sailors and Marines Die?

**PMV**  
**Off-Duty**  
**Shore/Recreation**  
**Aviation**  
**Shore/Ground/MV**  
**Operational**  
**Surface Ships/Sub/Diving**

**238 Sailors &  
Marines  
Died in FY02**

**140(59%)**

**32(13%)**

**28(12%)**

**33(14%)**

**5 (2%)**

**232 Sailors &  
Marines  
Died in FY03**

**119(51%)**

**32(14%)**

**26(11%)**

**53(23%)**

**2 (1%)**



# SECRETARY RUMSFELD'S CHALLENGE

DEPARTMENT OF DEFENSE  
THE SECRETARY OF DEFENSE  
1000 DEFENSE PENTAGON  
WASHINGTON, DC 20301-1000

May 19, 2003

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS  
CHAIRMAN OF THE JOINT CHIEFS OF STAFF  
UNDER SECRETARIES OF DEFENSE  
DIRECTOR, DEFENSE RESEARCH AND ENGINEERING  
ASSISTANT SECRETARIES OF DEFENSE  
GENERAL COUNSEL OF THE DEPARTMENT OF DEFENSE  
INSPECTOR GENERAL OF THE DEPARTMENT OF DEFENSE  
DIRECTOR, OPERATIONAL TEST AND EVALUATION  
ASSISTANTS TO THE SECRETARY OF DEFENSE  
DIRECTOR, ADMINISTRATION AND MANAGEMENT  
DIRECTOR, FORCE TRANSFORMATION  
DIRECTOR, NET ASSESSMENT  
DIRECTOR, PROGRAM ANALYSIS AND EVALUATION  
DIRECTORS OF THE DEFENSE AGENCIES  
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Reducing Preventable Accidents

World-class organizations do not tolerate preventable accidents. Our accident rates have increased recently, and we need to turn this situation around. I challenge all of you to reduce the number of mishaps and accident rates by at least 50% in the next two years. These goals are achievable, and will directly increase our operational readiness. We owe no less to the men and women who defend our Nation.

I have asked the Under Secretary of Defense for Personnel and Readiness to lead a department-wide effort to focus our accident reduction effort. I intend to be updated on our progress routinely. The USD(P&R) will provide detailed instructions in separate correspondence.

  
 U06916-03

*"World-class organizations do not tolerate preventable accidents. Our accident rates have increased recently, and we need to turn this situation around. I challenge all of you to reduce the number of mishaps and accident rates by at least 50% in the next two years."*

Memorandum from Secretary of Defense, 19 May 2003



# WHERE IS MORE ATTENTION NEEDED?

## USN - The Largest Challenge: Aviation - Traffic Recreation

COST			DEATHS ( ≈75% PMV & REC)								
	OVERALL	AVIATION	OVERALL	PMV					RECREATION		
				Air	Afloat	Shore			Air	Afloat	Shore
FY99-03	\$ 2.4B	\$ 1.9B	539	322	34	127	161	100 54	16	30	
FY02	\$489M	\$418M	129	75	13	32	30	21 10	6	5	
FY03	\$739M	\$695M	106	66	6	31	29	20 11	4	5	
FY04	\$278M	\$271M	46	33	4	11	18	13 7	1	5	NSC Data: 28 Apr 04

- Investigations
- WESS/MARTRAK
- Surveys
- Media
- Data analysis
- Culture workshops
- Safety awareness campaigns
- Web Sites
- Online culture surveys
- Increased PMV education

1. Leadership Accountability
2. Web-Enabled Navy
3. Education/Training/Culture
4. Analysis
5. Communication/Media
6. Technology

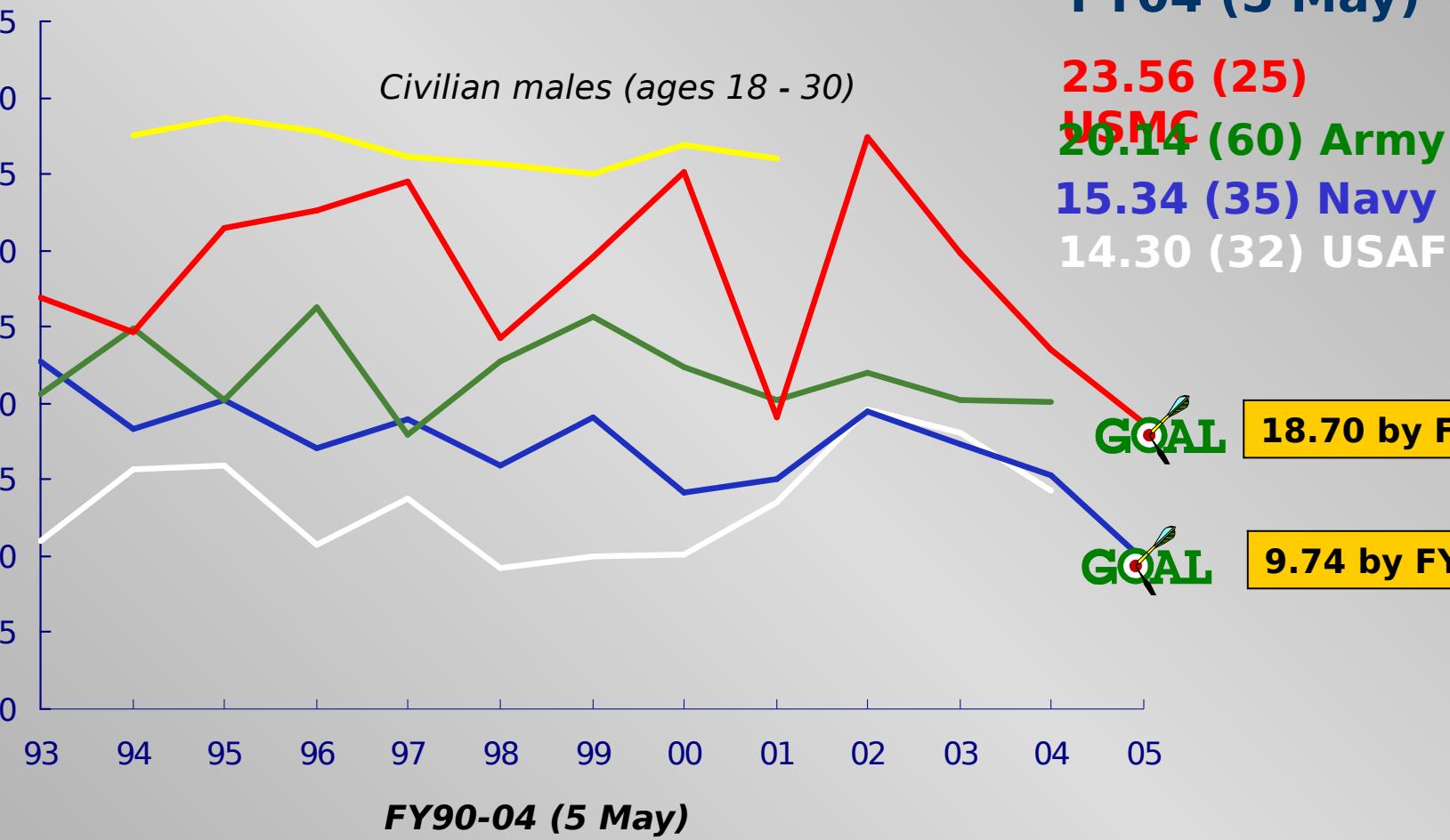
Fleet, USMC and NSC Focus

**POTENTIAL ADDITIONAL RETURN ON INVESTMENT:**  
50% reduction will save \$366M and 119 fatalities by end of FY05.  
(FY02 vs. FY05)



# PMV Death Rates

Rate per 100,000 personnel



NSC Data: Fiscal Year 2004 (5 May)



# PMV Worst Times

**USN**

**USMC**

**Day of Week**

**SAT: 98 (26%)**

**SAT: 74 (25%)**

**Time of Day  
(9%)**

**0200-0259: 40 (11%)**

**0530-0629 27**

**Month**

**JUL: 44 (12%)**

**APR: 35 (12%)**

**AUG: 43 (11%)**

**JUL: 34 (11%)**

**Month/Day**

**JUL 14: 5**

**DEC 23: 5**

**DEC 23: 5**

**Day/Time: 2-hr Period:  
16**

**SAT 0100-0259: 19**

**SAT 0330-0529:**

**16  
1-hr Period:  
12**

**SUN 0100-0259: 19**

**SUN 0130-0329:**

**SAT 0030-0129: 12**

**SAT 0030-0129:**



# Factors In Traffic Deaths USN/USMC, FY01-03

**FY01-03 Deaths:**

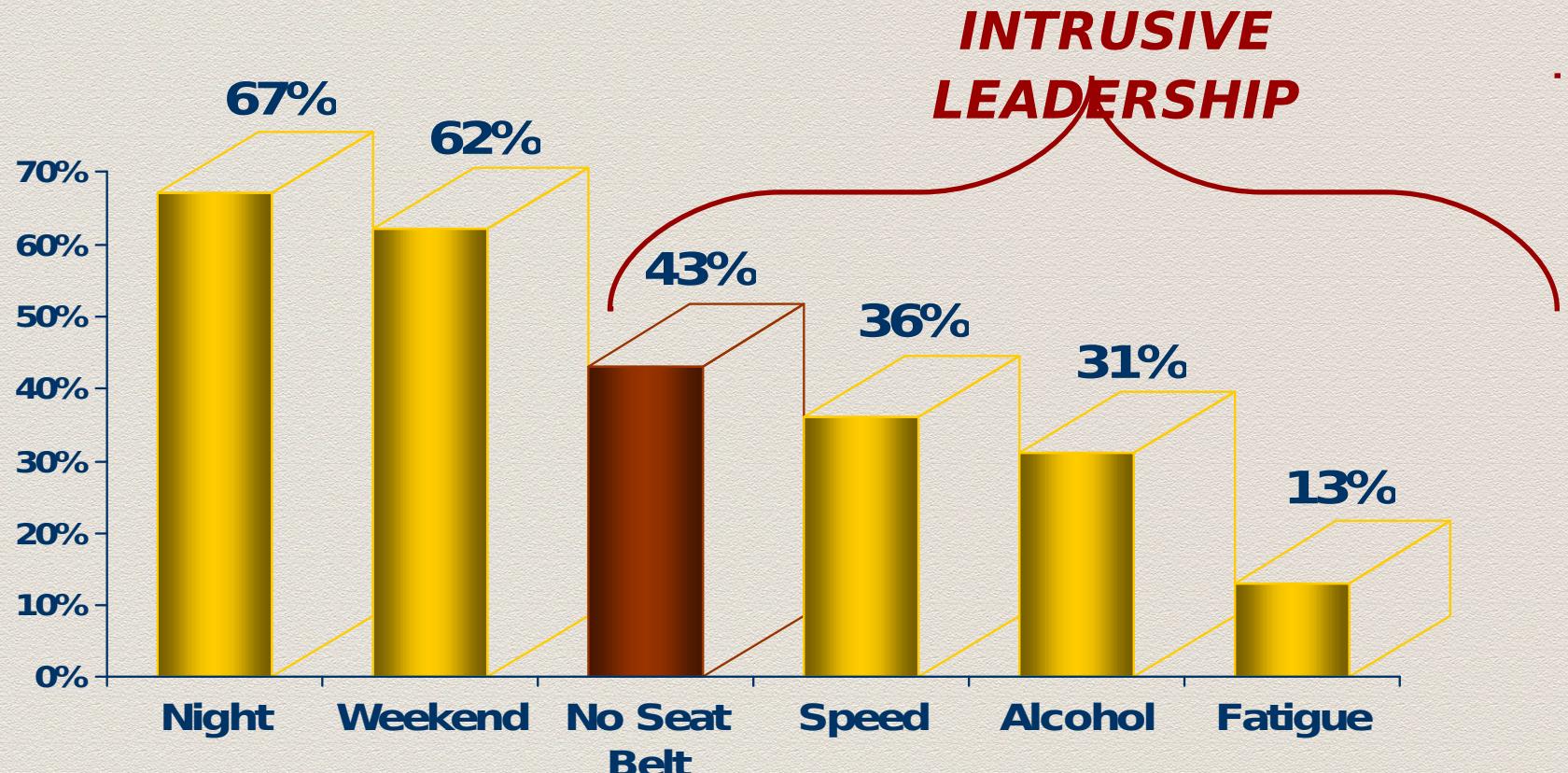
**349**

**FY01: 90**

**FY02: 140**

**FY03: 119**

**FY04 Deaths: 60**



*NSC Data: Fiscal Year 2004 (5 May)*



# Traffic Mishaps

## The Navy-Marine Corps' #1 Readiness Problem

### What We Can Do For You

- **Navy program manager**
- **Program guidance**
- **Surveys/Assist visits**
- **Mishap trends**
- **Certify instructors:**
  - **Motorcycle operators**
  - **Emergency Vehicle Operators Course**
  - **AAA / Driver Improvement Program**
- **Traffic ORM training**

### What You Can Do

- **Set example**
- **Educate**
- **Enforce standards**
- **Fund intervention programs**





# Traffic Safety

## Common Problems

### ***What Is Being Done***

- ***No traffic safety coordinator***
- ***No motorcycle, AAA-DIP and/or EVOC training***
- ***No seat belt program***
- ***Mishap reporting deficiencies***
- ***No prohibition on GMV operation when license suspended or DUI/DWI***
- ***Personnel riding in cargo areas of vehicles***
- ***Traffic devices/signs/roadway markings don't meet federal highway specifications***





# Motor Vehicle Safety

## *What We're Doing For You*

- **Government agency partnership**
- **Military services partnership**
- **National Traffic Safety Coalition Groups**
- **Fatal Vision Goggles**
- **Click It or Ticket Campaign**

### **OUR PARTNERS IN SAFETY**



**USMC  
Safety  
Division**



**US Department  
of  
Transportation**



**NHTSA**  
People Saving People  
[www.nhtsa.dot.gov](http://www.nhtsa.dot.gov)



National Highway Traffic Safety  
Administration's Lifesaver Conference and  
Click It or Ticket Campaign



**Fatal  
VISION**  
Goggles



**National Safety  
Council**



# What You Can Do - These Things Work!

[www.safetycenter.navy.mil/ashore/motorvehicle/downloads/toolbox.doc](http://www.safetycenter.navy.mil/ashore/motorvehicle/downloads/toolbox.doc)



- **Leave chit statement**
- **PMV status board**
- **Designated driver/CMD transport**
- **Pre-trip checklist/brief/counseling**
- **Calling card for emergencies**
- **Co's PMV policy**
- **PMV safety quiz**
- **Safety stand-downs/seminars**
- **Pre-holiday briefs**
- **Newcomer orientation/indoctrination**
- **Leave/ liberty request**
- **Crash prevention awards program**
- **Form a Local Authority Partnership**



# ATTACKING THE PROBLEM

- **Technology, Resource, Leadership - All make an impact but LEADERSHIP is key**
  - Supervised vs. "Self-Supervised"
  - Risk management
- **Fleet and USMC Awareness and Involvement**
  - Push data and analysis – Media Campaign and WESS
  - Navy and Marine Corps Safety Council
  - DSOC
- **Target Human Error**
  - Human factors approach
- **Realign NSC to better support customer - Sailors, Marines and Civilians**
- **Safety Training - Ownership and standardization**
- **Best Practices - Other services and industry**

**CULTURAL CHANGE**

*Risk Management = Improved Combat Readiness.*

# PERSPECTIVE

"IN 1968, WE LOST 99 AMERICAN  
SAILORS IN USS SCORPION,  
WHICH WE THINK OF AS  
A NATIONAL DISASTER;  
WHILE WE LOST  
103 SAILORS AND MARINES  
IN PMV ACCIDENTS IN 1998,  
AND CALL IT OUR 'BEST YEAR'!"

ROBERT B. PIRIE  
ACTING SECRETARY OF THE NAVY  
20 JANUARY - 24 MAY 2001

WHY DO WE ACCEPT ACCIDENTS?

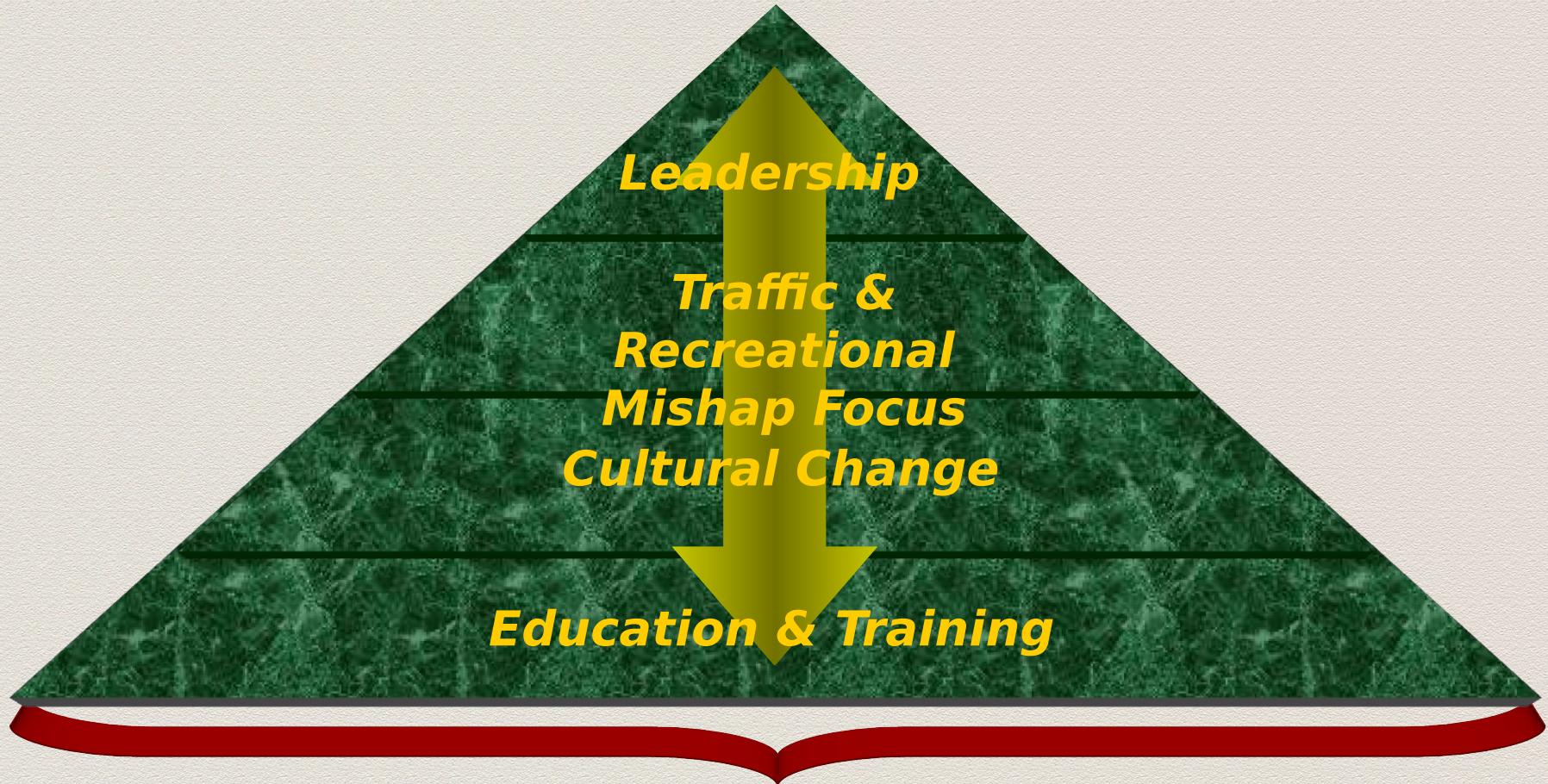
There are no memorials  
to honor service members  
who died in car accidents.





# CONCLUSION

**BELIEVE WE CAN GET THERE, BUT...**



**KEY AREAS**



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# Questions?